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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781,824	02/20/2004	Chang-Jun Choi	2557-000211/US	3961
30593 7590 02/27/2007 HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 8910			EXAMINER	
			MAI, TAN V	
RESTON, VA 20195		,	ART UNIT	PAPER NUMBER
			2193	
			·	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		02/27/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

U.S. Patent and Trademark Office PTOL-326 (Rev. 7-05)

Paper No(s)/Mail Date 5/26/04.

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

6) Other:

Application/Control Number: 10/781,824 Page 2

Art Unit: 2193

1. The disclosure is objected to because of the following informalities:

Page 3, paragraph [0012], "FIG. 6 is a circuit diagram ... a **control circuit 140** of FIG. 1" seem to be misdescriptive. It is noted that "control circuit 140" received K0,K4,K8 signals; and

Page 3, paragraph [0013], "FIG. 7 is a circuit diagram ... a summation selection unit 150 of FIG. 1" seem to be misdescriptive. It is noted that FIG. 7 only shows a summation selection block (see FIG. 2, first THREE least significant blocks).

IN THE CLAIMS:

Claim 8, last line; ".." should be --.--;

Claim 9, last line ".10." should be --.--.

Appropriate correction is required.

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 11-20 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The claims recite a method for performing a mathematical function.

- . The claimed invention "transforms" an article or physical object to a different state or thing.
- . The claimed invention otherwise produces a useful, concrete and tangible result,...".

See "Interim Guidelines for Examination of Patent Applications for Patent Subject Matter Eligibility" OG Date: 22 November 2005.

[&]quot;[t]o satisfy section 101 requirements, the claim must be for a practical application of the Sec. 101 judicial exception, which can be identified in various ways:

Since there is no physical transform to establish a practical application, a useful, concrete and tangible result <u>appears</u> to be lacking. Therefore, claims 11-20 are directed to a non-statutory process.

Page 3

- 3. Claims 11-20 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C.101 set forth in this Office action.
- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Cited references are art of interest.
- 5. The following is an examiner's statement of reasons for allowance: the recorded references do NOT teach or suggest the adder comprise the slice block having "block ahead" (FIG. 1, element 120) and "conditional sum" (FIG. 1, element 150) features as recited in independent claim 1. Similar language is used in independent method claim 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan V. Mai whose telephone number is (571) 272-3726.

Application/Control Number: 10/781,824 Page 4

Art Unit: 2193

The examiner can normally be reached on Mon-Wed and Fri. from 9:30am to 2:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An, can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is:

Official

(571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

Tan V. Mai Primary Examiner